PLUM CREEK PRP INVESTIGATION

Prepared for:
CHEMICAL LAND HOLDINGS, INC.

Prepared By:
EI GROUP, INC.

December 18, 2001

PLUM CREEK INVESTIGATION

The Plum Creek PRP Investigation focuses on a group of present and former owners/operators of sites that are located adjacent to Plum Creek, within a heavily industrialized area of the City of Newark, New Jersey. Plum Creek is approximately 1/2 mile in length, has several connecting branches, and discharges to the Passaic River immediately south of its confluence with Newark Bay. The Plum Creek PRP sites investigated to date include: Alliance Chemical, D & J Trucking Site, Avenue P Landfill, Celanese Chemical Company, Reichold Chemical Company, Revere Smelting and Refining Company and Union Carbide, Linde Gases of the Mid-Atlantic.

The initial investigation was performed in 1995 by Chemical Land Holdings, Inc. ("CLH"), and consisted of obtaining documented evidence indicating that hazardous substances (as defined by CERCLA) have been discharged from these sites directly to the Passaic River via Plum Creek or otherwise. To obtain such documented evidence, CLH researched and retrieved documents from numerous publicly available sources. This evidence was recently updated through FOIA requests made in 2001.

CLH has established that numerous entities have discharged, or have arranged for the discharge of, hazardous substances at or from each of these sites to the Passaic River via Plum Creek or otherwise. Accordingly, those persons or entities with "owner/operator", "generator", or "arranger" liability for each of these identified entities should be named as a Potentially Responsible Party for the Passaic River Study Area ("PRSA"). This information has been presented in a report, Summary of Evidence Pertaining To: Plum Creek PRPs, Newark, New Jersey (Kroll Environmental Enterprises, May, 1995), provided previously to USEPA.

The following summary provides a synopsis of the documented evidence found for each of the sites and the entities identified as associated with discharges of hazardous substances at or from these sites and thence to the PRSA. Immediately following this summary are a figure showing the location of each of the sites relative to Plum Creek and the Passaic River, chemical data summary charts for each of the sites comparing detected site contaminants with Plum Creek and Passaic River sediment samples, and a table providing corporate affiliation and agent-of-service information for each of the PRP entities identified for each of the sites.

Alliance Chemical, Inc.

Alliance Chemical began operating at the 33 Avenue P, Newark site in 1945. The site was previously owned/operated by several other entities including, among others: Amalgamated Dyestuff and Chemical Works, Inc.; Calco Chemical Co.; and American Cyanamid. The Alliance site is bordered by Plum Creek, the Avenue P Landfill site, and the D&J Trucking site. The site is approximately 0.5 miles from the Passaic River/Newark Bay. Alliance manufactured specialty organic chemicals including: dyes;

diazo compounds; zinc compounds; pigments; 2-chloro-1,4 diethoxy-5-nitrobenzene and 5-chloro-2,4-dimethoxyaniline (class II dioxin chemicals) from raw materials that included 1,2,4-trichlorobenzene (a class III dioxin chemical). CLH's 1994 submission regarding Alliance Chemical's CERCLA 104(e) response contained an assessment of these processes by an expert chemist, which concludes that 2,3,7,8-TCDD likely was generated from manufacturing processes at Alliance.

Alliance's process effluent was discharged to Plum Creek until 1970. Unlined trenches, lagoons and a pond on site were part of the effluent system that discharged to Plum Creek. As early as 1948, Alliance reportedly discharged an unspecified yellow-colored liquid to a storm ditch to Plum Creek. There are numerous documented instances of Plum Creek flooding the Alliance site during storms, as well as PVSC and other regulatory authorities seeking Alliance to cease discharges to Plum Creek and the Passaic River via this pond and lagoon system.

As a result, Alliance was finally connected to the Passaic Valley Sewerage Commission (PVSC) sanitary sewer system in 1970. After the 1970 PVSC connection, effluent/runoff from Alliance likely continued to enter the Passaic River via overflow from the Roanoke Avenue combined sewer outfall. A 1980 NJDEP report indicated the following estimated amounts of waste were discharged by Alliance to PVSC: 1,2,4-trichlorobenzene – 50 lbs per year; copper – 100 lbs per year; and zinc – 130,000 lbs per year. An inspection by PVSC in 1979 determined that the plant effluent entering the sanitary sewer system had a pH of 1.

These data may also provide an indication of the pre-1970 discharges to Plum Creek. An unlined lagoon remained part of the effluent discharge system until 1979. Sludge samples from the lagoon in 1980 indicated the presence of PCBs and volatile organic compounds. Other hazardous substances, including dioxin precursor compounds, have been found in site soils and sediments in locations including the former unlined trenches and lagoon. Sampling conducted by the NJDEP in 1989 detected concentrations of 2,4,5-trichlorophenol and 2,4-dichlorophenol, both Class I dioxin precursors and 1,2,4-trichlorobenzene, a Class III dioxin precursor at five-foot depths in the areas of the old lagoon and trench.

Subsurface samples collected in the former lagoon and trench area were not tested for dioxin, even though these samples show significant quantities of dioxin precursor chemicals. NJDEP analyzed five samples collected during the 1989 sampling event for 2,3,7,8-TCDD with negative results; however, none of these were collected from the former lagoon and trench area. The sample (identified in their report as "S-4") in which peak concentrations of these dioxin precursor chemicals were identified was not analyzed for 2,3,7,8-TCDD. Previously, sampling conducted for NJDEP in 1985 *at other locations* at the facility specifically for 2,3,7,8-TCDD revealed no detectable concentrations. However, the sampling report prepared by EC Jordan indicates that the two subsurface samples planned for the former lagoon and trench area were never taken as attempts to dig through the debris used as fill in this area proved futile. As process wastewater was reportedly discharged to Plum Creek via this lagoon and trench, the

former bottom sediments in this area may contain detectable quantities of 2,3,7,8-TCDD formerly discharged via this mechanism.

Of note, Alliance reportedly had retained D&J Trucking, exclusively, to haul solid waste from the facility between 1970 and 1977. D&J Trucking disposed of waste at the D&J Trucking site and the Avenue P Landfill site during that timeframe. These sites are subsequently described in this summary report.

Stormwater runoff at the Alliance site may have transported site soil and sludge contamination, including 2,3,7,8-TCDD, PCBs and other hazardous compounds, to Plum Creek. Flooding at the site was documented at various times from 1967 to 1975.

Metal contaminants found at high concentrations on site at Alliance - including Arsenic, Copper, Lead, Nickel, and Zinc - have also been found at high concentrations in Plum Creek sediment samples. The same metal contaminants were detected at high concentrations in the Passaic River core locations (201, 202, and 203)) as shown on the attached chart. The matching metals contamination that was found on-site at Alliance, found in the Plum Creek sediments and in the Passaic River supports the conclusion that there is an association between contamination present at the Alliance site and hazardous substances identified in the sediments of the PRSA. Of special interest is Zinc, which was identified in site soils in extremely high concentration and appears to be associated with zinc compound production at the site. In addition, PCB Aroclors 1248 and 1254 were detected on site and were found at elevated levels in Plum Creek and PRSA samples.

It should be noted that there was poor sample quantity recovery at the two Plum Creek sampling locations. This poor sample recovery may indeed be masking true concentrations of some of the organic compounds that may be present in Plum Creek sediments; for instance 1,2,4-Trichlorobenze, detected at significant concentration in site soils and Passaic River sediments (among the top twenty hits in all of the Passaic River Study area) was not detected in one Plum Creek sample, while the other was not analyzed for this compound. Similarly, low concentrations of 2,3,7,8-TCDD were detected in Plum Creek sediments, in comparison to Passaic River sediments. It should be noted that the Passaic River sediment samples utilized for the comparisons in this report (Remedial Investigation Transect #1) are located a fairly significant distance (approximately 1300 feet) from the mouth of Plum Creek.

Alliance Chemical was acquired by Pfister Chemical of Ridgefield, NJ in a stock acquisition in 1966 and has operated as a subsidiary of same. Contact information is provided in the chart that follows this summary report.

D & J Trucking

The D & J Trucking site was owned and/or operated by several chemical-related industries prior to D & J's occupancy; these industries include: American Cyanamid Company, 1916 – 1943; Martin Laboratories, Inc., 1943 – 1950; Union Carbide Corporation, unknown to 1960 and Sun Chemical Corporation, 1960 –1974. Deeds and other related information indicate that portions of the site were also owned at times by Consolidated Products Co. (circa 1926) and Lincoln Farm Products (prior to 1961). D & J Trucking & Waste Company owned and operated an illegal industrial landfill at the site from 1974 to 1978. The Newark Redevelopment and Housing Authority has owned the site since 1978.

Several documented reports by the NJDEP and the City of Newark, dated from 1975 to 1978, state that D & J Trucking was illegally dumping chemical waste onto the ground and into open pits at the site. It was also reported that both solid and liquid waste were being illegally dumped at the site by D & J Trucking, and were entering Plum Creek directly or via a drainage ditch located on the site. Subsequent sampling episodes at the site established that various hazardous substances, including heavy metals and volatile organics commonly found in paint waste, were also found in site soils and the sediments of Plum Creek.

Owners and employees of D & J Trucking were arrested on December 15, 1977 for illegally dumping unknown liquid/chemical waste at the site. The defendants were convicted of three counts of conspiracy including the dumping of solid waste matter on January 28, 1980 and were sentenced to 18 months incarceration, 3 years of probation and assessed a $3,500 fine. The New Jersey Department of Environmental Protection (NJDEP) subsequently has named Benjamin Moore & Company, The Sherwin-Williams Company, D & J Trucking & Waste Company and Newark Redevelopment and Housing Authority in an administrative consent order ("ACO") for the D & J Trucking Site. Evidence obtained indicates that D & J Trucking transported and disposed of both Benjamin Moore's and Sherwin Williams' wastes during the same time period that D & J Trucking was dumping waste at the site.

Metal contaminants were found in D&J Trucking site soil and sediment at significantly high concentrations. These sediment samples were collected from an onsite drainage ditch that is part of the Plum Creek waterway. These same contaminants, including Arsenic, Barium, Chromium, Copper, Lead, Nickel and Zinc were also detected at elevated levels in both Plum Creek and Passaic River sediment samples as shown on the attached chart. This supports an association between contaminants historically disposed at the site and hazardous substances known to be present in the PRSA. Additionally, organics including bis(2-ethylhexyl)phthalate, several PAHs, and various pesticides show a similar trend.

Benjamin Moore and Sherwin Williams are already named as PRPs for the PRSA with respect to other sites discharging hazardous substances to the PRSA, and the cases

against them will simply be enhanced by their further involvement with the Plum Creek sites. As stated, D & J Trucking & Waste Company and the Newark Redevelopment and Housing Authority have also been identified by NJDEP as PRPs for the site. Contact information for each of these entities is provided in the table accompanying this summary report. Also provided is contact information for the other historical property owners or tenants of this site.

Avenue P Landfill

The Avenue P Landfill, abutted by Plum Creek to the west, has a long history of industrial disposal activities dating back to 1934. Portions of the site have been owned/operated by numerous entities, including A. Giordano & Sons, American Cyanamid, American Tallow Co., Lacquer Specialties, Martin Laboratories, Reilly Tar & Chemical Co., Sun Chemical, Union Carbide, and the Newark Redevelopment and Housing Authority. In addition, D & J Trucking was reportedly permitted by the NJDEP to operate a sanitary waste disposal facility at the site from 1970 to 1974. The site has also been bordered, and encroached upon, by a number of industrial operations, including Alliance Chemical on the north and Revere Smelting and Refining on the south.

Numerous hazardous substances have been found at the site historically. It has been documented that, as early as 1980, waste disposed of at the site was leaching into Plum Creek. As part of some remediation work at the site in the mid 1980s approximately 1,460 drums were removed from Plum Creek and it's banks. Some of the hazardous substances found in the drums, site soil and the creek included PCBs, sulfides, heavy metals and several volatile organics.

Metal contaminants detected on-site at the Avenue P Landfill site - particularly Arsenic, Barium, Copper, Lead, and Zinc - have been found at elevated concentrations in both Plum Creek and Passaic River sediment samples as shown on the attached chart. Concentrations of Arsenic and Lead are unusually high on site, and corresponding concentrations detected in Plum Creek sediments would rank in the top twenty of all RI samples collected from the PRSA. This supports an association between contaminants historically disposed at the site and hazardous substances known to be present in the PRSA. It should be noted that there was poor sample quantity recovery at the two Plum Creek sampling locations, possibly causing a low bias to these sample results.

The NJDEP has named the Newark Redevelopment and Housing Authority, D & J Trucking & Waste Company, Revere Smelting and Refining, Benjamin Moore & Company and The Sherwin-Williams Company in an ACO for the Avenue P Landfill site. (As reported above Benjamin Moore and Sherwin Williams were customers of D&J Trucking.) Benjamin Moore and Sherwin Williams are already named PRPs for the PRSA; the notification addresses for D & J Trucking, the Newark Redevelopment and Housing Authority and Revere Smelting and Refining are provided in the table that follows this summary report. Also provided is contact information for the other former property owners and tenants of this site.

Celanese Chemical Company Site

Celanese Chemical Company (presently known as Hoechst Celanese Chemical) has operated at the site known as 354/375 Doremus Avenue, Newark since 1954.

Prior to its purchase by Celanese in 1954 the "East Farm" side of the site - (that portion of the site located east of Doremus Avenue) - was owned by Texaco, Inc. Parts of the "West Farm" side of the site – the portion of the site located west of Doremus Avenue – were reportedly purchased by Celanese in 1957 and in 1975. All of Celanese's operations at the site were reportedly discontinued as of July 1996. (Source: Celanese 104(e) Reponse.) The East Side of the site is bordered by the Passaic River and the "West Farm" side of the site is partially bordered by Plum Creek.

Documentation obtained indicates that Celanese has stored and produced a number of hazardous substances at the site, including operation of a bulk storage and distribution facility and also the manufacturing of formaldehyde. CLH has documented numerous historical incidents involving discharges of hazardous substances from the site into the Passaic River and/or Plum Creek, including a 50,000 gallon discharge of methanol in 1976 and several discharge incidents of chromate in 1981. Additionally, documentation obtained as a result of the clean up of the site under the State of New Jersey Environmental Cleanup and Responsibility Act ("ECRA") indicates that both surface water and groundwater containing hazardous substances that were spilled/leaked and disposed of on-site would have been yet another pathway to the PRSA. Significant soil, sediment and groundwater contamination has been detected onsite during past sampling efforts.

Metal contaminants detected on site at Celanese, including Arsenic, Barium, Copper, Lead, Nickel, Vanadium, and Zinc, have been found at higher concentrations in Plum Creek and Passaic River sediment samples as shown on the attached chart. This match indicates an association between environmental conditions at the Celanese site and known contamination in the PRSA. It should be noted that there was poor sample quantity recovery at the two Plum Creek sampling locations. Antimony detected on site was found at elevated levels in both Plum Creek samples, one of which (Plum Creek East) was located downstream from the site. Aroclor 1254 detected in site soil was detected at an elevated concentration in the Plum Creek sediments and was detected in the Passaic River at Transect 1.

Information obtained to-date indicates that Celanese Corporation and Germany-based Hoechst AG merged in 1987. At that time Celanese was reportedly merged into Hoechst's US-based operations, named American Hoechst Corporation, to form Hoechst Celanese Corporation ("Hoechst Celanese"), headquartered in Bridgewater, NJ. Hoechst Celanese was noted as being a subsidiary of Hoechst Corporation, in turn a subsidiary of Hoechst AG.

Filings with the United States Securities and Exchange Commission ("SEC") report that the company's US-based chemical facilities were operated as the Hoechst Celanese Chemical Group, Ltd. ("HCCG") , a subsidiary of Hoechst Celanese. Relative to the Newark operations, the company's Response to EPA's 104(e) Request For Information Concerning the PRSA was made by HCCG.

SEC filings indicated that, as of 1999, Hoechst AG began to restructure its operations - resulting in the spin-off and divestiture of its chemical business segment, including HCCG. A new German-based company, Celanese AG, was formed in October 1999 from the spinning-off and divestiture of Hoechst AG's chemical business segment. The notification address for Celanese AG, as successor to Celanese Chemical Company and Hoechst Celanese Corp., is provided in the table that follows this report.

Reichhold Chemicals Site

The Reichhold Chemicals site, also known as 400 Doremus Avenue, Newark, abuts the Passaic River where Plum Creek discharges into a "flume" which flows under the site and discharges to the Passaic River. The site had five owners/operators prior to Reichhold Chemicals' purchase of the site in 1989. These prior owners/operators include U.S. Industrial Chemical Company, Archer Daniels Midland Company, Ashland Specialty Chemical Company, (a division of Ashland, Incorporated), as successor to former Ashland Chemical Company, Spencer Kellogg (a former Division of Textron, Inc.), and NL Industries. The historical products manufactured at the site primarily included ethyl alcohol and various resins.

CLH has obtained documented evidence of discharges of hazardous substances to the Passaic River by Ashland Chemical, Spencer Kellogg/Textron, Inc. and Reichhold Chemicals. Also, documents associated with the NJDEP ECRA process for the site indicate that several areas of the site are contaminated with elevated levels of volatile organic compounds, specifically ethyl benzene and toluene. Both of these compounds were reported to have been used on-site and, therefore, their detection in environmental samples taken at the site confirms that spills/leaks have occurred on-site. Accordingly, the surface water run-off pathway would carry contaminants associated with such spills/leaks to the Passaic River.

All metal contaminants found in Reichhold effluent and/or on site, including Arsenic, Copper, Chromium, Lead, Nickel, and Zinc were also detected at elevated levels in Passaic River sediment samples as shown on the attached chart. Additionally, Aroclor 1254 was detected in site soil and at elevated concentration in PRSA sediments. This supports an association between contaminants historically disposed at the site and hazardous substances known to be present in the PRSA.

Ashland Chemical is already a named PRP for the PRSA with respect to another site. The notification addresses for Ashland, Spencer Kellogg/Textron, Inc. and Reichhold Chemicals are provided in the table that follows this summary report.

As of 1987, Reichhold was acquired by Dainippon Ink and Chemical, Incorporated, ("DIC") of Tokyo, Japan. As reported in DIC's 1998 and 2001 Annual Reports, 100% of Reichhold continues to be owned by DIC. Reichhold is headquartered in the US; the notification address is provided in the table that follows this summary report.

Revere Smelting and Refining Corporation

Revere Smelting and Refining operated at the site known as 383 Avenue P, Newark from about 1957 to some time in the mid-to-late 1970s. The site is located south of the Avenue P landfill abutting Plum Creek. Revere operated a lead recycling business on the site in which lead and antimony were reclaimed from batteries. Documents indicate that Revere has historically discharged acid, generated from the recycling of batteries, into Plum Creek. Revere was issued an ACO in August of 1959, which called for "ceasing of discharge to the lower Passaic River." In addition, during remediation of the Avenue P Landfill elevated levels of lead and antimony were found in the soil. As noted above, Revere was named in the NJDEP ACO issued for the adjacent Avenue P Landfill.

Metals known to have been used in historical operations at the Revere site reportedly include Copper, Lead, and Zinc. These three metals were detected at elevated levels in both Plum Creek and Passaic River sediment samples, as shown on the attached chart. The presence of Copper, Lead and Zinc on-site at Revere, in the Plum Creek sediments and in the sediments of the Passaic River supports an association between conditions at the site and hazardous substances found in the sediments of the PRSA. Further, it has been documented that Antimony - which was used on site at Revere – has been identified at elevated levels in both Plum Creek samples downstream from the site.

RSR Corporation is a subsidiary of Quexco, Inc. (Dallas, TX). RSR represents the U.S. based lead smelting operations of privately held holding company Quexco, Inc. In turn, RSR subsidiaries include the Revere Smelting & Refining Corp. operations.

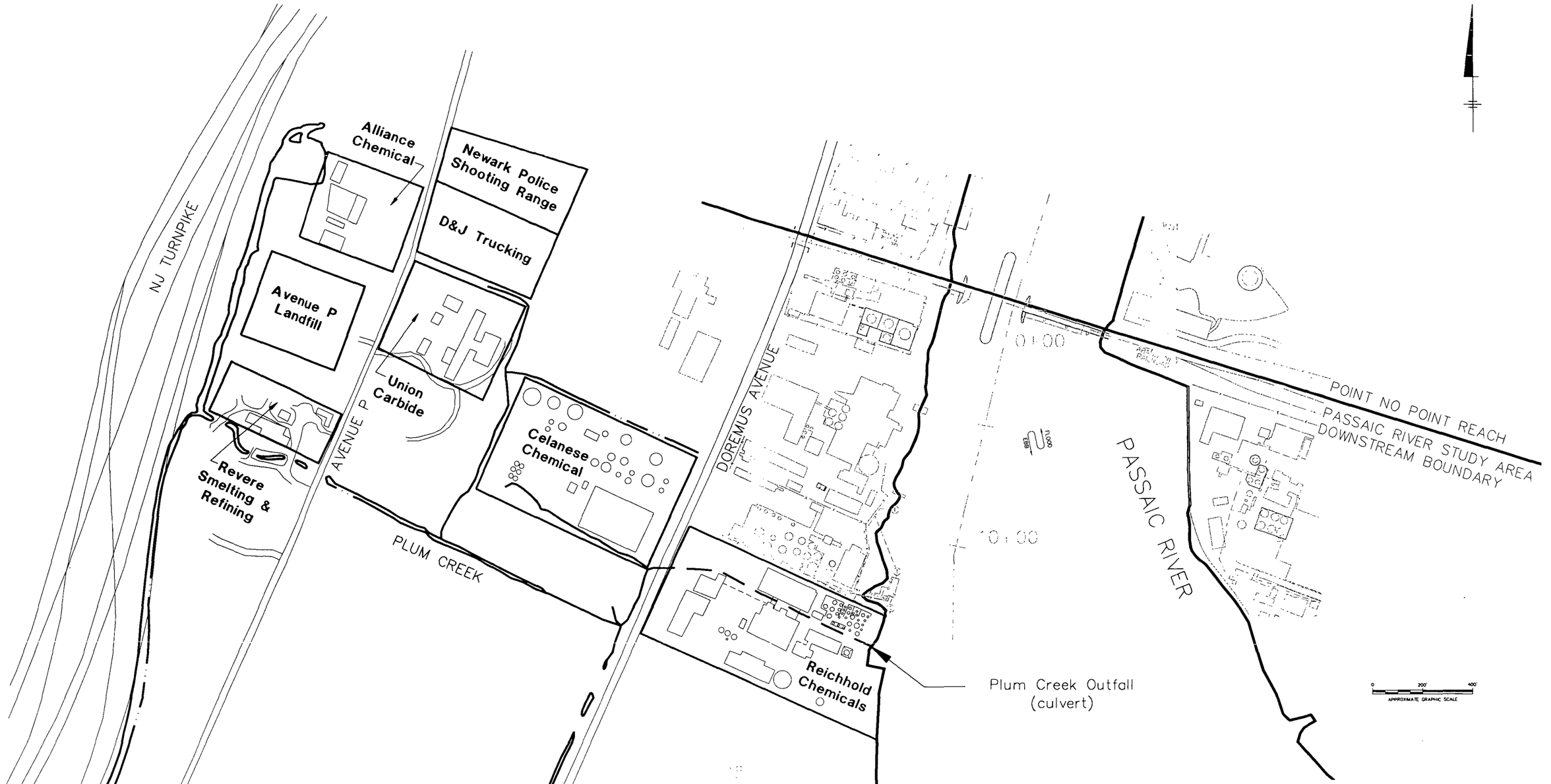
Union Carbide, Linde Gases of the Mid-Atlantic, Inc.

Union Carbide Corporation and Carbon Corporation-Presto-O-Lite Company began operations at the site known as 360 Avenue P Newark in 1919, and continued operations at the site until 1990. The site operations have primarily consisted of the production of acetylene and the transfer of oxygen, liquid propane, nitrogen, argon, helium, carbon dioxide and nitrous oxide from bulk storage tanks to small cylinders. The waste primarily generated, associated with the production of acetylene, was calcium hydroxide. Hazardous substances found at the site, and also detected in PRSA sediments in the vicinity of the site, include heavy metals and polynuclear aromatic hydrocarbons.

Union Carbide has had historical discharges of process waste into Plum Creek from on-site waste treatment ponds/lagoons. The Union Carbide site also had stormwater runoff to the PRSA via Plum Creek from areas where, as evidenced by contamination that had been found on-site during previous remediation activities, spills, leaks, or waste storage took place.

Metal contaminants detected on site, particularly Arsenic, Copper, Lead, Nickel, and Zinc, have been found at higher concentrations in Plum Creek and Passaic River sediment samples as shown on the attached chart. It should be noted that there was poor sample quantity recovery at the two Plum Creek sampling locations, possibly causing a low-bias to those sample results. Antimony detected on site was found at elevated levels in both Plum Creek samples, one of which (Plum Creek East) was located downstream from the site. Of particular note, Aroclor 1254, which was detected in site soils at the Union Carbide site, was detected at elevated concentration in both the Plum Creek sediments and in the Passaic River at Transect 1.

Union Carbide & Carbon Corporation was incorporated in 1917 through the union of five companies: Union Carbide, Electromet, National Carbon, Linde Air Products and Prest-O-Lite. In 1988, the Union Carbide – Linde Division was incorporated as Union Carbide Industrial Gases, Inc., which operated this facility under its Linde Gases of the Mid-Atlantic, Incorporated division. Effective July 1, 1989, a new holding company was formed, Union Carbide Corporation (DE) to hold all outstanding capital stock of Union Carbide & Carbon Corporation and its subsidiaries, including Union Carbide Industrial Gases, Inc., which remained a subsidiary of Union Carbide Chemicals and Plastics, Incorporated. On June 5, 1992, the name of Union Carbide Industrial Gases, Inc. was changed to Praxair Inc. and on June 30, 1992 Union Carbide Chemicals and Plastics, Incorporated spun Praxair Inc. off to the shareholders of Union Carbide Corporation. In February 2001, Union Carbide Corporation became a wholly owned subsidiary of Dow Chemical Company (Midland, MI) in a merger valued at $11.6 Billion. The company continues to operate under the name of Union Carbide Corporation. Contact information for Praxair Inc. and Union Carbide Corporation is provided in the table that follows this summary report.



LEGEND:

- TIDALLY INFLUENCED FLOW
- APPROXIMATE PRP FACILITY OUTLINES
- TRIBUTARY OR DISCHARGE ROUTE TO THE PASSAIC RIVER
- UNDERGROUND FLOW ROUTE
- USACE RIVER STATIONING

NOTE:

1. BASEMAP SOURCE: TOPO-METRICS, 1"=100', ORIGINAL MYLAR POSITIVES OF AERIAL PHOTOMETRICS SURVEY (1982) (ADJUSTED TO DGPS-SURVEYED MUDFLAT LOCATIONS, 1999).

X: 09994X14
L: ON=*,OFF=*REF*
P: PAGESET/DL
12/13/01 SYR-54-SDL LAF DJP
09994063/PRSA/09994G14.DWG

CHEMICAL LAND HOLDINGS, INC.

PASSAIC RIVER STUDY AREA

PLUM CREEK - PRP LOCATIONS

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 1

961000011

Diamond Alkali Co.
Passaic River Site
NJD980528996

THIS DOCUMENT **"Plum Creek PRP Investigation, prepared for Chemical Land Holdings, Inc., dated December 18, 2001"** IS CURRENTLY CLASSIFIED AS NON-CONFIDENTIAL BY EPA.

Sarah Flanagan

Sarah Flanagan
Office of Regional Counsel

2/2/07

Date

961000012

ALLIANCE CHEMICAL:

Hazardous Substance	CONC. ON SITE (ppm) +		Plum Creek West	Plum Creek East	CORE #201	CORE #202	CORE #203
Antimony	17.8	S	38	1.4	ND	ND	ND
Arsenic	15.4	S	108	5.3	[redacted]	16.6	[redacted]
Beryllium	8.0	S	0.87	0.56	ND	ND	ND
Cadmium	141	S	6.57	1.09	6.2	[redacted]	[redacted]
Chromium	92.6	S	88	24.3	306	[redacted]	[redacted]
Copper	1050	S	[redacted]	6.6	306	[redacted]	[redacted]
Lead	1430	S	1550	123	354	[redacted]	[redacted]
Mercury	96.3	S	1.56	0.37	[redacted]	[redacted]	[redacted]
Nickel	52	S	134	17.4	50	[redacted]	[redacted]
Selenium	2.5	S	2.1	0.7	1.7	1.4	2.1
Zinc	15100	S	[redacted]	191	613	[redacted]	[redacted]
Chlorobenzene	360	S	No data	No data	ND	ND	0.067
Ethylbenzene	32	S	No data	No data	0.8	0.026	ND
Xylenes	190	S	No data	No data	0.78	0.026	0.13
2,3,7,8-TCDD	ND	S	0.00005	0.00005	0.001	0.00095	0.00465
1,4-Dichlorobenzene	4.6	S	ND	No data	ND	ND	ND
1,2,4-Trichlorobenzene	55	S	ND	No data	ND	690	ND
Anthracene	4.2	S	0.43	No data	[redacted]	1.3	1.5
Benzo(a)anthracene	1000	S	1.9	No data	[redacted]	2.1	1.7
Benzo(a)pyrene	3.7	S	2.0	No data	[redacted]	2.2	1.6
Benzo(b)fluoranthene	4.5	S	[redacted]	No data	[redacted]	2.4	1.8
Bis(2-ethylhexyl)phthalate	55	S	4.4	No data	[redacted]	120	[redacted]
Carbazole	0.18	S	ND	No data	1.5	ND	ND
4-Chloroaniline	2.6	S	ND	No data	ND	ND	[redacted]
Chrysene	31	S	2.3	No data	[redacted]	2.6	2.4

PRIVILEGED AND CONFIDENTIAL COMMUNICATION
PREPARED AT THE REQUEST OF COUNSEL

Hazardous Substance	CONC. ON SITE (ppm) +		Plum Creek West	Plum Creek East	CORE #201	CORE #202	CORE #203
Dibenzofuran	0.37	S	ND	No data	1.3	ND	ND
Di-n-butylphthalate	0.71	S	0.87	No data	0.81	0.69	ND
Di-n-octylphthalate	0.72	S	ND	No data	[redacted]	[redacted]	[redacted]
Fluoranthene	5.7	S	4.0	No data	[redacted]	5.1	4.9
Indeno(1,2,3-cd)pyrene	4.0	S	1.0	No data	[redacted]	1.6	1.0
Phenanthrene	4.3	S	1.5	No data	[redacted]	3.2	3.8
Pyrene	5.0	S	3.0	No data	[redacted]	5.7	5.0
Aroclor 1248	16	S	ND	No data	[redacted]	1.28	[redacted]
Aroclor 1254	2.7	S	5.8	No data	0.491	1.12	[redacted]

+ = Highest detected concentrations in site groundwater (GW), sediment (SD), soil (S), leachate (L), or surface water (SW).

* = Concentration is above mean based on the PRSA sediment sampling data.

** = Is in the top 20 hits based on the PRSA sediment sampling data.

*** = Highest concentration detected in the PRSA, based on PRSA sediment sampling data. See note below.

ND = Not detected.

Statistics were not available for volatile compounds or Selenium.

Note: Data for cores 100A, PRP-99-06-SD-1 (Plum Creek West), and PRP-99-05-SD-1 (Plum Creek East) were not part of the PRSA RI sediment data – the statistical shading shown above for these cores is based on comparison with the PRSA sediment results.

D&J TRUCKING:

Hazardous Substance	CONC. IN SITE SEDIMENT (ppm)	CONC. IN OTHER SITE MEDIA + (ppm)		Plum Creek West	Plum Creek East	CORE #201	CORE #202	CORE #203
Antimony	55.9			38	1.4	ND	ND	ND
Arsenic	61.2	0.111	S	108	5.3	[redacted]	16.6	[redacted]
Barium	392	335	S	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Chromium	236	0.259	S	88	24.3	306	[redacted]	[redacted]
Copper	613	104	S	[redacted]	6.6	306	[redacted]	[redacted]
Lead	863	15	GW	1550	123	354	[redacted]	[redacted]
Mercury	101	2	GW	1:56	0.37	[redacted]	[redacted]	[redacted]
Nickel	130	0.405	S	134	17.4	50	[redacted]	[redacted]
Zinc	2930	373	S	[redacted]	191	613	[redacted]	[redacted]
1,2-Dichlorobenzene	2.5			No data	No data	ND	ND	ND
Chlorobenzene	0.52			No data	No data	ND	ND	0.067
Ethylbenzene	4			No data	No data	0.8	0.026	ND
Toluene	0.029	0.13	S	No data	No data	0.38	ND	ND
Xylenes	12	0.025	SW	No data	No data	0.78	0.026	0.13
Benzo(a)anthracene		0.83	S	1.9	No data	[redacted]	2.1	1.7
Benzo(a)pyrene		1.1	S	2.0	No data	[redacted]	2.2	1.6
Benzo(b)fluoranthene		1.3	S	[redacted]	No data	[redacted]	2.4	1.8
Benzo(k)fluoranthene		1.1	S	ND	No data	3.0	1.8	1.7
Chrysene		0.84	S	2.3	No data	[redacted]	2.6	2.4
Fluoranthene	2.1	99	S	4.0	No data	[redacted]	5.1	4.9
Pyrene	1.9	5.5	S	3.0	No data	[redacted]	5.7	5.0
Bis(2-ethylhexyl)phthalate	24	7.2	S	4.4	No data	[redacted]	120	[redacted]
Beta BHC	0.042	2.3	S	ND	No data	ND	ND	ND
Endosulfan II	0.036			0.026	No data	0.027	0.057	0.045
Endrin	0.058			0.064	No data	ND	ND	ND

PRIVILEGED AND CONFIDENTIAL COMMUNICATION
PREPARED AT THE REQUEST OF COUNSEL

Hazardous Substance	CONC. IN SITE SEDIMENT (ppm)	CONC. IN OTHER SITE MEDIA + (ppm)	Plum Creek West	Plum Creek East	CORE #201	CORE #202	CORE #203
Gamma Chlordane	0.44	0.35 S	0.019	No data	0.118	[redacted]	[redacted]
4,4'-DDD	1.6	2.3 S	ND	No data	0.038	0.089	0.053
4,4'-DDE	0.067	1.8 S	ND	No data	0.073	0.059	[redacted]

\+ = Highest detected concentrations in site groundwater (GW), soil (S), leachate (L), or surface water (SW).
* = Concentration is above mean based on the PRSA sediment sampling data.
** = Is in the top 20 hits based on the PRSA sediment sampling data.
*** = Highest concentration detected in the PRSA, based on PRSA sediment sampling data. See note below.
ND = Not detected.

Note: Data for cores 100A, PRP-99-06-SD-1 (Plum Creek West), and PRP-99-05-SD-1 (Plum Creek East) were not part of the PRSA RI sediment data – the statistical shading shown above for these cores is based on comparison with the PRSA sediment results.

AVENUE P LANDFILL:

Hazardous Substance	CONC. ON SITE (ppm) +		Plum Creek West	Plum Creek East	CORE #201	CORE #202	CORE #203
Arsenic	86,703	S	108	5.3	[redacted]	16.6	[redacted]
Barium	0.44	S	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Beryllium	1.53	S	0.87	0.56	ND	ND	ND
Cadmium	43.3	S	6.57	1.09	6.2	[redacted]	[redacted]
Chromium	3,764	S	88	24.3	306	[redacted]	[redacted]
Copper	0.613	SD	[redacted]	6.6	306	[redacted]	[redacted]
Lead	63,007	S	1550	123	354	[redacted]	[redacted]
Mercury	137.5	S	1.56	0.37	[redacted]	[redacted]	[redacted]
Silver	49.8	GW	ND	ND	7.8	[redacted]	15.7
Zinc	5,800	GW	[redacted]	191	613	[redacted]	[redacted]
Cyanide	3,620	S	ND	ND	ND	ND	1.1
1,1,1-Trichloroethane	8.75	GW	No data	No data	ND	ND	ND
1,1-Dichloroethane	1.3	GW	No data	No data	ND	ND	ND
1,1-Dichloroethylene	1.8	GW	No data	No data	ND	ND	ND
1,2-Dichlorobenzene	2.5	SD	No data	No data	ND	ND	ND
Ethylbenzene	6.7	GW	No data	No data	0.8	0.026	ND
Toluene	15.8	GW	No data	No data	0.38	ND	ND
Xylenes	16.6	GW	No data	No data	0.78	0.026	0.13
Bis(2-ethylhexyl)phthalate	24	SD	4.4	No data	[redacted]	120	[redacted]
Fluoranthene	99	S	4.0	No data	[redacted]	5.1	4.9
Naphthalene	4.4	SD	ND	No data	2.1	ND	1.6
Phenanthrene	65	S	1.5	No data	[redacted]	3.2	3.8
Pyrene	55	S	3.0	No data	[redacted]	5.7	5.0
4,4'-DDE	2.3	S	ND	No data	0.073	0.059	[redacted]
Beta-BHC	2.3	S	ND	No data	ND	ND	ND

Hazardous Substance	CONC. ON SITE (ppm) +		Plum Creek West	Plum Creek East	CORE #201	CORE #202	CORE #203
Endosulfan II	2.9	S	0.026	No data	0.027	0.057	0.045
Gamma Chlordane	0.44	SD	0.019	No data	0.118	[redacted]	[redacted]
Aroclor 1260	37	S	ND	No data	ND	ND	ND

+ = Highest detected concentrations in site groundwater (GW), sediment (SD), soil (S), leachate (L), or surface water (SW).

* = Concentration is above mean based on the PRSA sediment sampling data.

** = Is in the top 20 hits based on the PRSA sediment sampling data.

*** = Highest concentration detected in the PRSA, based on PRSA sediment sampling data. See note below.

ND = Not detected.

Statistics were not available for volatile compounds.

Note: Data for cores 100A, PRP-99-06-SD-1 (Plum Creek West), and PRP-99-05-SD-1 (Plum Creek East) were not part of the PRSA RI sediment data – the statistical shading shown above for these cores is based on comparison with the PRSA sediment results.

CELANESE CHEMICAL COMPANY, INC.:

Hazardous Substance	CONC. ON SITE (ppm) +		Plum Creek West	Plum Creek East	CORE #201	CORE #202	CORE #203
Antimony	41	S	38	1.4	ND	ND	ND
Arsenic	50.9	S	108	5.3	[redacted]	16.6	[redacted]
Barium	1900	SD	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Beryllium	1.7	S	0.87	0.56	ND	ND	ND
Cadmium	43	SD	6.57	1.09	6.2	[redacted]	[redacted]
Chromium	2170	S	88	24.3	306	[redacted]	[redacted]
Copper	3540	S	[redacted]	6.6	306	[redacted]	[redacted]
Lead	3670	S	1550	123	354	[redacted]	[redacted]
Mercury	3.46	SD	1.56	0.37	[redacted]	[redacted]	[redacted]
Nickel	484	SD	134	17.4	50	[redacted]	[redacted]
Selenium	15.1	S	2.1	0.7	1.7	1.4	2.1
Thallium	0.99	S	ND	2.15	ND	ND	ND
Vanadium	180	SD	[redacted]	26.5	[redacted]	[redacted]	[redacted]
Zinc	3440	SD	[redacted]	191	613	[redacted]	[redacted]
Cyanide	2.08	S	ND	ND	ND	ND	1.1
Benzene	1.5	S	No data	No data	0.3	ND	ND
Chlorobenzene	5400	SD	No data	No data	ND	ND	0.067
Ethylbenzene	27000	SD	No data	No data	0.8	0.026	ND
Formic Acid	460	S	No data	No data	No data	No data	No data
Methanol	2900	S	No data	No data	No data	No data	No data
Methylene Chloride	1.7	S	No data	No data	ND	ND	ND
Toluene	13000	SD	No data	No data	0.38	ND	ND
Xylenes	58000	SD	No data	No data	0.78	0.026	0.13
2-Methylnaphthalene	37	S	ND	No data	ND	ND	1.1
Acenapthene	83	S	0.170	No data	2.2	ND	ND
Acenaphthylene	19	S	ND	No data	ND	ND	ND

Hazardous Substance	CONC. ON SITE (ppm) +		Plum Creek West	Plum Creek East	CORE #201	CORE #202	CORE #203
Anthracene	120	S	0.43	No data	[redacted]	1.3	1.5
Benzo(a)anthracene	96	S	1.9	No data	[redacted]	2.1	1.7
Benzo(a)pyrene	85	S	2.0	No data	[redacted]	2.2	1.6
Benzo(b)fluoranthene	120	S	[redacted]	No data	[redacted]	2.4	1.8
Benzo(g,h,i)perylene	45	S	0.890	No data	2.4	1.6	1.1
Benzo(k)fluoranthene	29	S	ND	No data	3.0	1.8	1.7
Bis(2-ethylhexyl)phthalate	77	SD	4.4	No data	[redacted]	120	[redacted]
Chrysene	86	S	2.3	No data	[redacted]	2.6	2.4
Dibenz(a,h)anthracene	18	S	0.29	No data	1.4	0.83	ND
Dibenzofuran	14	S	ND	No data	1.3	ND	ND
Fluoranthene	280	S	4.0	No data	[redacted]	5.1	4.9
Fluorene	27	S	0.21	No data	2.4	ND	1.2
Indeno(1,2,3-cd)pyrene	40	S	1.0	No data	[redacted]	1.6	1.0
Naphthalene	120	S	ND	No data	2.1	ND	1.6
N-Nitrosodiphenylamine	3.9	S	ND	No data	ND	ND	ND
Phenanthrene	2600	S	1.5	No data	[redacted]	3.2	3.8
Phenol	0.168	GW	ND	No data	ND	ND	ND
Pyrene	150	S	3.0	No data	[redacted]	5.7	5.0
4,4'-DDD	6.0	S	ND	No data	0.038	0.089	0.053
4,4'-DDE	2.4	S	ND	No data	0.073	0.059	[redacted]
4,4'-DDT	3.5	S	ND	No data	0.025	0.015	0.108
Dieldrin	0.025	S	ND	No data	0.027	[redacted]	[redacted]
Endosulfan sulfate	0.83	SD	ND	No data	ND	ND	ND
Heptachlor Epoxide	1.5	SD	ND	No data	[redacted]	ND	ND
Aroclor 1221	0.015	SW	ND	No data	ND	ND	ND
Aroclor 1254	54	S	5.8	No data	0.491	1.12	[redacted]
Aroclor 1260	9.2	SD	ND	No data	ND	ND	ND

+ = Highest detected concentrations in site groundwater (GW), sediment (SD), soil (S), leachate (L), or surface water (SW).

* = Concentration is above mean based on the PRSA sediment sampling data.

** = Is in the top 20 hits based on the PRSA sediment sampling data.

*** = Highest concentration detected in the PRSA, based on PRSA sediment sampling data. See note below.

ND = Not detected.

Statistics were not available for volatile compounds and Selenium.

Note: Data for cores 100A, PRP-99-06-SD-1 (Plum Creek West), and PRP-99-05-SD-1 (Plum Creek East) were not part of the PRSA RI sediment data – the statistical shading shown above for these cores is based on comparison with the PRSA sediment results.

REICHHOLD CHEMICALS, INC.:

Hazardous Substance	CONC. ON SITE (ppm) +	Plum Creek West	Plum Creek East	CORE #201	CORE #202	CORE #203
Antimony	Detected on site	38	1.4	ND	ND	ND
Arsenic	Detected on site	108	5.3	[redacted]	16.6	[redacted]
Cadmium	Detected on site	6.57	1.09	6.2	[redacted]	[redacted]
Chromium	0.032 effluent	88	24.3	306	[redacted]	[redacted]
Copper	0.18 effluent	[redacted]	6.6	306	[redacted]	[redacted]
Lead	1620 S	1550	123	354	[redacted]	[redacted]
Mercury	Detected on site	1.56	0.37	[redacted]	[redacted]	[redacted]
Nickel	0.03 effluent	134	17.4	50	[redacted]	[redacted]
Zinc	2670 S	[redacted]	191	613	[redacted]	[redacted]
Cyanide	0.14 effluent	ND	ND	ND	ND	1.1
2-Butanone	Used on site	No data	No data	0.310	0.044	0.091
2-Hexanone	0.12 effluent	No data	No data	ND	ND	ND
2,6-Dinitrotoluene	0.025 effluent	ND	No data	ND	ND	ND
4-Methyl-2-pentanone	Used on site	No data	No data	ND	ND	ND
Acetone	0.52 effluent	No data	No data	0.87	0.17	0.44
Benzene	0.039 effluent	No data	No data	0.3	ND	ND
Chloroform	0.016 effluent	No data	No data	ND	ND	ND
Chloromethane	0.006 effluent	No data	No data	ND	ND	ND
Ethylbenzene	2.5 effluent	No data	No data	0.8	0.026	ND
Methylene Chloride	0.20 effluent	No data	No data	ND	ND	ND
Toluene	5.8 effluent	No data	No data	0.38	ND	ND
Xylenes	7.768 effluent	No data	No data	0.78	0.026	0.13
1,2,4-Trichlorobenzene	0.044 effluent	ND	No data	ND	0.86	ND
2-Methylnaphthalene	2.668 SW	ND	No data	ND	ND	1.1
Bis(2-ethylhexyl)phthalate	1.1 S	4.4	No data	[redacted]	120	[redacted]

PRIVILEGED AND CONFIDENTIAL COMMUNICATION
PREPARED AT THE REQUEST OF COUNSEL

961000022

Hazardous Substance	CONC. ON SITE (ppm) +		Plum Creek West	Plum Creek East	CORE #201	CORE #202	CORE #203
Butylbenzyl phthalate	0.012	effluent	ND	No data	ND	ND	ND
Dibenzofuran	1.348	SW	ND	No data	1.3	ND	ND
Di-n-butylphthalate	0.0035	effluent	0.87	No data	0.81	0.69	ND
Di-n-octylphthalate	0.0055	effluent	ND	No data	[redacted]	[redacted]	[redacted]
Fluoranthene	0.0056	effluent	4.0	No data	[redacted]	5.1	4.9
Naphthalene	28.7	SW	ND	No data	2.1	ND	1.6
Phenanthrene	8.4	S	1.5	No data	[redacted]	3.2	3.8
Phenol	9.6	effluent	ND	No data	ND	ND	ND
Pyrene	4.7	S	3.0	No data	[redacted]	5.7	5.0
4,4'-DDT	0.120	S	ND	No data	0.025	0.015	0.108
Beta-BHC	0.019	S	ND	No data	ND	ND	ND
Endrin aldehyde	0.024	S	ND	No data	0.008	0.027	0.045
Aroclor 1254	9.2	S	5.8	No data	0.491	1.12	[redacted]

+ = Highest detected concentrations in site groundwater (GW), sediment (SD), soil (S), leachate (L), or surface water (SW).

* = Concentration is above mean based on the PRSA sediment sampling data.

** = Is in the top 20 hits based on the PRSA sediment sampling data.

*** = Highest concentration detected in the PRSA, based on PRSA sediment sampling data. See note below.

ND = Not detected.

Statistics were not available for volatile compounds.

Note: Data for cores 100A, PRP-99-06-SD-1 (Plum Creek West), and PRP-99-05-SD-1 (Plum Creek East) were not part of the PRSA RI sediment data – the statistical shading shown above for these cores is based on comparison with the PRSA sediment results.

REVERE SMELTING & REFINING CORP.:

Hazardous Substance	CONC. ON SITE (ppm) +	Plum Creek West	Plum Creek East	CORE #201	CORE #202	CORE #203
Antimony	Used on site	38	1.4	ND	ND	ND
Copper	Used on site	[redacted]	6.6	306	[redacted]	[redacted]
Lead	Used on site	1550	123	354	[redacted]	[redacted]
Zinc	Used on site	[redacted]	191	613	[redacted]	[redacted]

+ = Highest detected concentrations in site groundwater (GW), sediment (SD), soil (S), leachate (L), or surface water (SW).

* = Concentration is above mean based on the PRSA sediment sampling data.

** = Is in the top 20 hits based on the PRSA sediment sampling data.

*** = Highest concentration detected in the PRSA, based on PRSA sediment sampling data. See note below.

ND = Not detected.

Note: Data for cores 100A, PRP-99-06-SD-1 (Plum Creek West), and PRP-99-05-SD-1 (Plum Creek East) were not part of the PRSA RI sediment data – the statistical shading shown above for these cores is based on comparison with the PRSA sediment results.

UNION CARBIDE:

Hazardous Substance	CONC. ON SITE (ppm) +		Plum Creek West	Plum Creek East	CORE #201	CORE #202	CORE #203
Antimony	15	S	38	1.4	ND	ND	ND
Arsenic	60	S	108	5.3	[redacted]	16.6	[redacted]
Beryllium	2	S	0.87	0.56	ND	ND	ND
Cadmium	14	S	6.57	1.09	6.2	[redacted]	[redacted]
Chromium	3300	S	88	24.3	306	[redacted]	[redacted]
Copper	1000	S	[redacted]	6.6	306	[redacted]	[redacted]
Lead	28000	S	1550	123	354	[redacted]	[redacted]
Mercury	15	S	1.56	0.37	[redacted]	[redacted]	[redacted]
Nickel	310	S	134	17.4	50	[redacted]	[redacted]
Selenium	1.2	S	2.1	0.7	1.7	1.4	2.1
Silver	19	S	ND	ND	7.8	[redacted]	15.7
Zinc	2800	S	[redacted]	191	613	[redacted]	[redacted]
Acenaphthylene	1.7	S	ND	No data	ND	ND	ND
Anthracene	13	S	0.43	No data	[redacted]	1.3	1.5
Benzo(a)anthracene	22	S	1.9	No data	[redacted]	2.1	1.7
Benzo(a)pyrene	22	S	2.0	No data	[redacted]	2.2	1.6
Benzo(b)fluoranthene	28	S	[redacted]	No data	[redacted]	2.4	1.8
Benzo(g,h,i)perylene	5.3	S	0.890	No data	2.4	1.6	1.1
Benzo(k)fluoranthene	15	S	ND	No data	3.0	1.8	1.7
Chrysene	20	S	2.3	No data	[redacted]	2.6	2.4
Dibenzo(a,h)anthracene	2.7	S	0.29	No data	1.4	0.83	ND
Di-n-octylphthalate	0.62	S	ND	No data	[redacted]	[redacted]	[redacted]
Fluoranthene	64	S	4.0	No data	[redacted]	5.1	4.9
Fluorene	8.2	S	0.21	No data	2.4	ND	1.2
Indeno(1,2,3-cd)pyrene	6.7	S	1.0	No data	[redacted]	1.6	1.0
Naphthalene	7.4	S	ND	No data	2.1	ND	1.6
Phenanthrene	55	S	1.5	No data	[redacted]	3.2	3.8

Hazardous Substance	CONC. ON SITE (ppm) +		Plum Creek West	Plum Creek East	CORE #201	CORE #202	CORE #203
Pyrene	52	S	3.0	No data	[redacted]	5.7	5.0
4,4'-DDD	0.42	S	ND	No data	0.038	0.089	0.053
Aldrin	0.024	S	ND	No data	ND	ND	ND
Dieldrin	0.035	S	ND	No data	0.027	[redacted]	[redacted]
Delta-BHC	0.013	S	0.008	No data	0.005	ND	ND
Endosulfan I	0.27	S	ND	No data	ND	ND	ND
Endosulfan sulfate	0.73	S	ND	No data	ND	ND	ND
Aroclor 1254	1.8	S	5.8	No data	0.491	1.12	[redacted]

+ = Highest detected concentrations in site groundwater (GW), sediment (SD), soil (S), leachate (L), or surface water (SW).

* = Concentration is above mean based on the PRSA sediment sampling data.

** = Is in the top 20 hits based on the PRSA sediment sampling data.

*** = Highest concentration detected in the PRSA, based on PRSA sediment sampling data. See note below.

ND = Not detected.

Statistics were not available for Aldrin.

Note: Data for cores 100A, PRP-99-06-SD-1 (Plum Creek West), and PRP-99-05-SD-1 (Plum Creek East) were not part of the PRSA RI sediment data – the statistical shading shown above for these cores is based on comparison with the PRSA sediment results.

SUMMARY OF PLUM CREEK PRPS
(As of December 18, 2001)

SITE	PARTY	OWNER/ OPERATOR OR PRP	AGENT OF SERVICE	STATUS
Alliance Chemical, Inc.	Alliance Chemical, Inc.	Owner/Operator	NJ SOS Records: Frank Spill, Linden Avenue, Ridgefield, NJ 07656 Company HQ: Pfister Chemical, Inc., 1098 Rte. 46 East, Ridgefield, NJ 07657	Alliance Chemical was acquired by Pfister Chemical (Ridgefield, NJ) in 1966 and has operated as a subsidiary of same.
	Amalgamated Chemical & Dyestuff Work, Inc.	Owner/Operator	No current information found.	Inquiries in online secretary of state, corporate filings, media and legal information sources did not serve to retrieve any information on this company.
	American Cyanamid	Owner/Operator	For Cytec: Cytec Industries, Inc., 5 Garrett Mountain Plaza, West Paterson, NJ For AHP: American Home Products Corporation, Five Giralda Farms, Madison, NJ 07940	American Cyanamid Corp. was acquired/merged into American Home Products Corporation in November 1994. All prior environmental liabilities of American Cyanamid were assummed by American Home Products. However, excluded were those liabilities previously assumed by Cytec Industries, Inc., during its spin-off from American Cyanamid in 1993. In that spin-off, Cytec Industries assumed substantially all of the liabilities for legal proceedings associated with American Cyanamid's chemical businesses, except those liabilities pertaining to remediation of the former American Cyanamid facility in Bound Brook, NJ

SUMMARY OF PLUM CREEK PRPS
(As of December 18, 2001)

SITE	PARTY	OWNER/ OPERATOR OR PRP	AGENT OF SERVICE	STATUS
	Calco Chemical, Inc.	Owner/Operator	For Cytec: Cytec Industries, Inc., 5 Garrett Mountain Plaza, West Paterson, NJ For AHP: American Home Products Corporation, Five Giralda Farms, Madison, NJ 07940	Calco Chemical Company was acquired by and became a wholly-owned subsidiary of American Cyanamid Co. in 1929. In turn, American Cyanamid was acquired/merged into American Home Products Corporation in November 1994. See note on American Cyanamid provided above.
	Martin Laboratories	Owner/Operator	No current information found.	Inquiries in online secretary of state, corporate filings, media and legal information sources did not serve to retrieve any information on this company.
	Plum Point Realty	Owner/Operator	No current information found.	Inquiries in online secretary of state, corporate filings, media and legal information sources did not serve to retrieve any information on this company.
	Security Paint & Varnish	Owner/Operator	No current information found.	Inquiries in online secretary of state, corporate filings, media and legal information sources did not serve to retrieve any information on this company.
	Tiffany Chemical	Owner/Operator	No current information found.	Inquiries in online secretary of state, corporate filings, media and legal information sources did not serve to retrieve any information on this company.

SUMMARY OF PLUM CREEK PRPS
(As of December 18, 2001)

SITE	PARTY	OWNER/ OPERATOR OR PRP	AGENT OF SERVICE	STATUS
Avenue P Landfill Site	A. Giordano & Sons	Owner/Operator	A Giordano & Sons Inc, 2 Mount Vernon Street, Ridgefield Park, NJ	
	Alliance Chemical	Owner/Operator	NJ SOS Records: Frank Spill, Linden Avenue, Ridgefield, NJ 07656 Company HQ: Pfister Chemical, Inc., 1098 Rte. 46 East, Ridgefield, NJ 07657	Alliance Chemical was acquired by Pfister Chemical (Ridgefield, NJ) in 1966 and has operated as a subsidiary of same.
	American Cyanamid	Owner/Operator	For Cytec: Cytec Industries, Inc., 5 Garrett Mountain Plaza, West Paterson, NJ For AHP: American Home Products Corporation, Five Giralda Farms, Madison, NJ 07940	American Cyanamid Corp. was acquired/merged into American Home Products Corporation in November 1994. All prior environmental liabilities of American Cyanamid were assummed by American Home Products. However, excluded were those liabilities previously assumed by Cytec Industries, Inc., during its spin-off from American Cyanamid in 1993. In that spin-off, Cytec Industries assumed substantially all of the liabilities for legal proceedings associated with American Cyanamid's chemical businesses, except those liabilities pertaining to remediation of the former American Cyanamid facility in Bound Brook, NJ
	American Tallow, Inc.	Owner/Operator	No current information found.	Inquiries in online secretary of state, corporate filings, media and legal information sources did not serve to retrieve any information on this company.

SITE	PARTY	OWNER/ OPERATOR OR PRP	AGENT OF SERVICE	STATUS
	Lacquer Specialties, Inc.	Owner/Operator	No current information found.	Inquiries in online secretary of state, corporate filings, media and legal information sources did not serve to retrieve any information on this company.
	Benjamin Moore & Company	PRP	Benjamin Moore & Co., 51 Chestnut Ridge Road, Montvale, NJ 07645	Benjamin Moore & Co., founded in 1883, has operated at its Lister Avenue, Newark, facility since 1925.
	D&J Trucking	PRP	Information not current - available as of 1977 only: James P. Lordi, 387 Avenue P, Newark, NJ 07105	Two borthers, Dominick Attanasi and Joseph Attanasi served as the principals of D & J Trucking & Waste Company on Avenue P in Newark. The two brothers also operated an unrelated site, D & J Disposal Company, on Avenue A and Ponier Ave., in Newark. D&J Trucking last corporate filing was as of 1977 and the company business registration was suspended (tax suspension) by the State of New Jersey as of 1982.
	Martin Laboratories	Owner/Operator	No current information found.	Inquiries in online secretary of state, corporate filings, media and legal information sources did not serve to retrieve any information on this company.
	Newark Housing and Redevelopment Authority	PRP	For Newark Redevelopment and Housing Authority: Office of Corporation Counsel, City of Newark, Department of Law, City Hall Room 316, Newark, NJ	

SUMMARY OF PLUM CREEK PRPS
(As of December 18, 2001)

SITE	PARTY	OWNER/ OPERATOR OR PRP	AGENT OF SERVICE	STATUS
	Reilly Tar & Chemical	Owner/Operator	Reilly Industries, Inc., 300 North Meridian Street, Indianapolis, IN 46204	Reilly Industries, Inc. – originally the Reilly Tar & Chemical Company – was founded in approximately 1896. The company changed its name to Reilly Corporation in 1993, and after additional name changes, assumed the current name of Reilly Industries, Inc., as of 1989.
	Revere Smelting & Refining	PRP	RSR Corporation, 2777 North Stemmons Fwy., Dallas, TX 7520	RSR Corporation is a subsidiary of Quexco, Inc.,(Dallas, TX). RSR represents the "stateside" lead smelting operations of privately owned holding company Quexco Inc. In turn, RSR subsidiaries include the Revere Smelting & Refining Corp. operations.
	Sherwin Williams Company	PRP	The Sherwin-Williams Company, 101 Prospect Avenue, N.W., Cleveland, Ohio 44115	Founded in 1866, Sherwin Williams Company began operations on Lister Avenue in Newark in approximately 1902. The Newark facility was a wholly-owned manufacturing plant within the Coatings Division of The Sherwin Williams Co.
	Sun Chemical	Owner/Operator	Sun Chemical Corporation, 222 Bridge Plaza South, Fort Lee, NJ 07024	Sun Chemical is a wholly owned subsidiary of DIC Americas, Inc. (Fort Lee, NJ), in turn a subsidiary of Dainippon Ink and Chemicals Incorporated (DIC) of Tokyo, Japan.
	Union Carbide	Owner/Operator	See Union Carbide Chemicals & Plastic below.	

SUMMARY OF PLUM CREEK PRPS
(As of December 18, 2001)

SITE	PARTY	OWNER/ OPERATOR OR PRP	AGENT OF SERVICE	STATUS
Celanese Chemical Company, Inc.	Hoechst Celanese Chemical Co.	Owner/Operator	Celanese Americas Corporation, US-based subsidiary of Celanese AG, 86 Morris Avenue, Summit, NJ 07901	Celanese Corporation and Germany-based Hoechst AG merged in 1987. At that time Celanese was merged into Hoechst's US-based operations - American Hoechst Corporation - to form Hoechst Celanese Corporation, headquartered in Bridgewater, NJ. Hoechst Celanese was noted as being a subsidiary of Hoechst Corporation, in turn a subsidiary of Hoechst AG. The US-based chemical facilities were operated as Hoechst Celanese Chemical Group, Ltd., a subsidiary of Hoechst Celanese. As of 1999, Germany's Hoechst AG restructured its operations, resulting in the spin-off/divestiture of its chemical business segment into a new German-based company, Celanese AG. Celanese Americas Corporation is the US-based subsidiary of Celanese AG.

SITE	PARTY	OWNER/ OPERATOR OR PRP	AGENT OF SERVICE	STATUS
D&J Trucking & Waste Company	Consolidated Products Company	Owner/Operator	No current information found.	Inquiries in online secretary of state, corporate filings, media and legal information sources did not serve to retrieve any information on this company.
	Advanced Enterprises Recycling, Inc.	Owner/Operator	Anthony A. Peterpaul, Advanced Enterprises Recycling, Inc., 540 Doremus Avenue, Newark, NJ 07105	Advanced Enterprises Recycling, Inc., is the parent corporation of AFA Pallet Company. Both companies are addressed at the same location on Doremus Avenue, Newark
	AFA Pallet Company	Owner/Operator	Anthony A. Peterpaul, AFA Pallet Co., Inc., 540 Doremus Avenue, Newark, NJ 07105	See above note - parent corporation is Advanced Enterprises Recycling, Inc.
	Benjamin Moore & Company	PRP	Benjamin Moore & Co., 51 Chestnut Ridge Road, Montvale, NJ 07645	Benjamin Moore & Co., founded in 1883, has operated at its Lister Avenue, Newark, facility since 1925.
	Lincoln Farm Products	Owner/Operator	No current information found.	Inquiries in online secretary of state, corporate filings, media and legal information sources did not serve to retrieve any information on this company.
	Newark Housing and Redevelopment Authority	PRP	For Newark Redevelopment and Housing Authority: Office of Corporation Counsel, City of Newark, Department of Law, City Hall Room 316, Newark, NJ	
	Revere Smelting & Refining	PRP	RSR Corporation, 2777 North Stemmons Fwy., Dallas, TX 7520	RSR Corporation is a subsidiary of Quexco, Inc.,(Dallas, TX). RSR represents the "stateside" lead smelting operations of privately owned holding company Quexco Inc. In turn, RSR subsidiaries include the Revere Smelting & Refining Corp. operations.

SUMMARY OF PLUM CREEK PRPS
(As of December 18, 2001)

SITE	PARTY	OWNER/ OPERATOR OR PRP	AGENT OF SERVICE	STATUS
	Sherwin Williams Company	PRP	The Sherwin-Williams Company, 101 Prospect Avenue, N.W., Cleveland, Ohio 44115	Founded in 1866, Sherwin Williams Company began operations on Lister Avenue in Newark in approximately 1902. The Newark facility was a wholly-owned manufacturing plant within the Coatings Division of The Sherwin Williams Co.
	Sun Chemical	Owner/Operator	Sun Chemical Corporation, 222 Bridge Plaza South, Fort Lee, NJ 07024	Sun Chemical is a wholly owned subsidiary of DIC Americas, Inc. (Fort Lee, NJ), in turn a subsidiary of Dainippon Ink and Chemicals Incorporated (DIC) of Tokyo, Japan.

SUMMARY OF PLUM CREEK PRPS
(As of December 18, 2001)

SITE	PARTY	OWNER/ OPERATOR OR PRP	AGENT OF SERVICE	STATUS
Reichold Chemical	Reichhold Chemical	Owner/Operator	In New Jersey: Reichhold Chemical Inc., 400 Doremus Avenue, Newark, NJ Corporate HQ: Reichhold, Inc., 2400 Ellis Road, Durham, NC	As of 1987, Reichhold Chemical was acquired and is now a wholly owned subsidiary of DIC Americas, Inc. (Fort Lee, NJ), in turn a subsidiary of Dainippon Ink and Chemicals Incorporated (DIC) of Tokyo, Japan.
	U.S. Industrial Chemical	Owner/Operator	Millennium Petrochemicals, Inc., 230 Half Mile Road, Red Bank, NJ 07701	U.S. Industrial Chemical Company was purchased by National Distillers Product Corporation in 1951. As of 1988, National Distillers became Quantum Chemical, Inc. In 1993, Quantum was purchased by Hanson America, Inc., US-arm of Hanson Plc. In 1997, the Quantum holdings were transferred from Hanson to Millennium Petrochemical, Inc. Millennium Petrochemical is a subsidiary of Millennium Chemical, Inc.
	Archer Daniels Midland Company	Owner/Operator	Archer Daniels Midland Co., Inc., 466 Faries Parkway Decatur, IL 62526	Archer Daniels Midland - originally founded as a corporation in 1902 - reportedly operated at 400 Doremus Avenue, Newark, NJ, site from approximately 1954 through 1968.

SITE	PARTY	OWNER/ OPERATOR OR PRP	AGENT OF SERVICE	STATUS
	Ashland Chemical Company	Owner/Operator	Ashland Specialty Chemical Company, 50 East Rivercenter Boulevard, Covington, KY 41012	Known as Ashland Oil & Refining Company since August 1970, the company changed its name to Ashland Oil, Inc., in July 1992; and to its present form of Ashland, Inc., in February 1995. Ashland Chemical Company was formed as a division of Ashland in 1967. In March 1999, Ashland Inc split the wholly-owned Ashland Chemical Company division into two new wholly-owned divisions named Ashland Distribution Company and Ashland Specialty Chemicals Company. Ashland Distribution Company serves as a distributor of chemicals, plastics and fiber reinforcement products; while Ashland Specialty Chemicals Company is a manufacturer of specialty chemicals.
	Textron, Inc., Spencer Kellog Division	Owner/Operator	Textron, Inc., 40 Westminster Street, Providence, RI 02903	Spencer Kellog was operated as a division of Textron, Inc., until 1985. At that time Spencer Kellog was acquired by and became a division of NL Chemicals Inc., a subsidiary of NL Industries, Inc.
	NL Industries, Spencer Kellog Products	Owner/Operator	NL Industries, Incorporated, 16825 Northchase Drive, Houston, TX 77060	NL Industries purchased Spencer Kellog from Textron, Inc., in 1985. Spencer Kellog was operated as a division of NL Chemicals Inc., a subsidiary of NL Industries, Inc., through 1990.

SUMMARY OF PLUM CREEK PRPS
(As of December 18, 2001)

SITE	PARTY	OWNER/ OPERATOR OR PRP	AGENT OF SERVICE	STATUS
Revere Smelting & Refining	RSR Corporation	Owner/Operator	RSR Corporation, 2777 North Stemmons Fwy., Dallas, TX 7520	RSR Corporation is a subsidiary of Quexco, Inc.,(Dallas, TX). RSR represents the "stateside" lead smelting operations of privately owned holding company Quexco Inc. In turn, RSR subsidiaries include the Revere Smelting & Refining Corp. operations.

SITE	PARTY	OWNER/ OPERATOR OR PRP	AGENT OF SERVICE	STATUS
Union Carbide/Linde Gas	Union Carbide Chemicals & Plastics	Owner/Operator	For Praxair: Praxair, Inc., 39 Old Ridgebury Road, Danbury, CT 06810 For Union Carbide: Union Carbide Corporation, a subsidiary of the Dow Chemical Company, 39 Old Ridgebury Road, Danbury, CT 06810	Union Carbide & Carbon Corp. was incorporated in 1917 from five companies: Union Carbide; Electromet; National Carbon; Linde Air Products; and Prest-O-Lite. In 1988, Linde Division of Union Carbide became Union Carbide Industrial Gases, Inc., which operated the Newark facility under its Linde Gases of the Mid-Atlantic, Incorporated, division name. On July 1, 1989, a new company, Union Carbide Corporation (DE), succeeded Union Carbide & Carbon Corporation and subsidiaries, including Union Carbide Industrial Gases, Inc. - still a subsidiary of Union Carbide Chemicals and Plastics, Incorporated. On June 5, 1992, the name of Union Carbide Industrial Gases, Inc. was changed to Praxair Inc. On June 30, 1992 Union Carbide Chemicals and Plastics, Incorporated spun Praxair Inc. off to Union Carbide Corporation. In February 2001, Union Carbide Corporation became a wholly-owned subsidiary of Dow Chemical Company (Midland, MI) in a merger valued at $11.6 Billion. The company continues to operate under the name of Union Carbide Corp.

SUMMARY OF PLUM CREEK PRPS
(As of December 18, 2001)

SITE	PARTY	OWNER/ OPERATOR OR PRP	AGENT OF SERVICE	STATUS
	Carbon Corporation	Owner/Operator	See Union Carbide Chemicals & Plastuic above.	
	Prest-o-Lite Company	Owner/Operator	See Union Carbide Chemicals & Plastuic above.	